

Responsibilities of the MTI Instructor

The Mathematical Thinking for Instruction (MTI) course is taught in partnership with the Initiative for Developing Mathematical Thinking, MTI Regional Specialists, school(s)/district(s) and the Idaho Dept. of Education. Successfully implementing this model will depend upon effective collaboration among all parties.

MTI instructors must perform work consistent with the recommendations of the Initiative for Developing Mathematical Thinking and the Idaho Department of Education. The primary work of the MTI instructor is to teach the course in a consistent manner with the intent developed by IDMT. Information about the course and the research behind it can be found at <http://dmt.boisestate.edu>

Criteria for Teaching an MTI Course

Professional Preparation

- Idaho Teaching Certification and preferably a master's degree or beyond with focus in mathematics education
- Exemplary mathematics content knowledge for K-12 mathematics

Work Experience

- Demonstrated success in increasing student achievement over time and demonstrated success with diverse groups of students
- Rich and varied professional work experiences appropriate to the K-12 mathematics specialist position including *at least three years experience* teaching mathematics as well as relevant experiences beyond the classroom
- Should be familiar with multiple teaching and assessment strategies, with *emphasis on reform-oriented approaches and models*

Experience Working with Teachers

- Instructors should have the candor and personality that allows them to work effectively with teachers
- Instructors should have leadership skills that enable them to bring teachers, administrators, departments, etc. together and to foster communication and collaboration
- Instructors should have experience in planning, developing, and delivering effective mathematics professional development at the building, local, or state level

Steps to becoming an MTI Instructor

1. Complete at least one of the MTI courses
2. Demonstrate evidence of ability to teach a standards-based lesson
3. Demonstrate knowledge of how students learn mathematics (e.g., learning progressions)
4. Provide evidence of an ability and candor to work with teachers in professional development
5. Participate in a three day MTI Instructor workshop
6. Co-teach the MTI course with an IDMT staff member
7. Be selected as an MTI Instructor

Please note that the Idaho State Department in consultation with IDMT staff will determine whether instructors have the qualifications to teach the course.